

Be-run



RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/020,541

DATE: 10/30/2002
TIME: 11:55:45

Input Set : N:\paola\US10020541.raw
Output Set: N:\CRF4\10302002\J020541.raw

#9/R.T.
11/21
Raw
Seq.
Listing

1 <110> APPLICANT: Larry A. Wheeler
2 Gerald W. DeVries
3 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATMENT
4 OF OCULAR NEOVASCULARIZATION AND NEURAL INJURY
5 <130> FILE REFERENCE: 17400(BAR)
6 <140> CURRENT APPLICATION NUMBER: US/10/020,541
7 <141> CURRENT FILING DATE: 2001-10-30
8 <150> PRIOR APPLICATION NUMBER: 60/244,850
9 <151> PRIOR FILING DATE: 2000-11-01
10 <160> NUMBER OF SEQ ID NOS: 4
11 <170> SOFTWARE: FastSEQ for Windows Version 3.0
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 418
15 <212> TYPE: PRT
16 <213> ORGANISM: Artificial Sequence
17 <220> FEATURE:
18 <223> OTHER INFORMATION: Homo sapiens
19 <400> SEQUENCE: 1
20 Met Gln Ala Leu Val Leu Leu Leu Cys Ile Gly Ala Leu Leu Gly His
21 1 5 10 15
22 Ser Ser Cys Gln Asn Pro Ala Ser Pro Glu Glu Gly Ser Pro Asp
23 20 25 30
24 Pro Asp Ser Thr Gly Ala Leu Val Glu Glu Glu Asp Pro Phe Phe Lys
25 35 40 45
26 Val Pro Val Asn Lys Leu Ala Ala Ala Val Ser Asn Phe Gly Tyr Asp
27 50 55 60
28 Leu Tyr Arg Val Arg Ser Ser Met Ser Pro Thr Thr Asn Val Leu Leu
29 65 70 75 80
30 Ser Pro Leu Ser Val Ala Thr Ala Leu Ser Ala Leu Ser Leu Gly Ala
31 85 90 95
32 Asp Glu Arg Thr Glu Ser Ile Ile His Arg Ala Leu Tyr Tyr Asp Leu
33 100 105 110
34 Ile Ser Ser Pro Asp Ile His Gly Thr Tyr Lys Glu Leu Leu Asp Thr
35 115 120 125
36 Val Thr Ala Pro Gln Lys Asn Leu Lys Ser Ala Ser Arg Ile Val Phe
37 130 135 140
38 Glu Lys Lys Leu Arg Ile Lys Ser Ser Phe Val Ala Pro Leu Glu Lys
39 145 150 155 160
40 Ser Tyr Gly Thr Arg Pro Arg Val Leu Thr Gly Asn Pro Arg Leu Asp
41 165 170 175
42 Leu Gln Glu Ile Asn Asn Trp Val Gln Ala Gln Met Lys Gly Lys Leu
43 180 185 190
44 Ala Arg Ser Thr Lys Glu Ile Pro Asp Glu Ile Ser Ile Leu Leu Leu

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10/30/02

RAW SEQUENCE LISTING

DATE: 10/30/2002

PATENT APPLICATION: US/10/020,541

TIME: 11:55:46

Input Set : N:\paola\US10020541.raw

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45          195          200          205
46 Gly Val Ala His Phe Lys Gly Gln Trp Val Thr Lys Phe Asp Ser Arg
47          210          215          220
48 Lys Thr Ser Leu Glu Asp Phe Tyr Leu Asp Glu Glu Arg Thr Val Arg
49          225          230          235          240
50 Val Pro Met Met Ser Asp Pro Lys Ala Val Leu Arg Tyr Gly Leu Asp
51          245          250          255
52 Ser Asp Leu Ser Cys Lys Ile Ala Gln Leu Pro Leu Thr Gly Ser Met
53          260          265          270
54 Ser Ile Ile Phe Phe Leu Pro Leu Lys Val Thr Gln Asn Leu Thr Leu
55          275          280          285
56 Ile Glu Glu Ser Leu Thr Ser Glu Phe Ile His Asp Ile Asp Arg Glu
57          290          295          300
58 Leu Lys Thr Val Gln Ala Val Leu Thr Val Pro Lys Leu Lys Leu Ser
59          305          310          315          320
60 Tyr Glu Gly Glu Val Thr Lys Ser Leu Gln Glu Met Lys Leu Gln Ser
61          325          330          335
62 Leu Phe Asp Ser Pro Asp Phe Ser Lys Ile Thr Gly Lys Pro Ile Lys
63          340          345          350
64 Leu Thr Gln Val Glu His Arg Ala Gly Phe Glu Trp Asn Glu Asp Gly
65          355          360          365
66 Ala Gly Thr Thr Pro Ser Pro Gly Leu Gln Pro Ala His Leu Thr Phe
67          370          375          380
68 Pro Leu Asp Tyr His Leu Asn Gln Pro Phe Ile Phe Val Leu Arg Asp
69          385          390          395          400
70 Thr Asp Thr Gly Ala Leu Leu Phe Ile Gly Lys Ile Leu Asp Pro Arg
71          405          410          415
72 Gly Pro
74 <210> SEQ ID NO: 2
75 <211> LENGTH: 168
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Homo sapiens
80 <400> SEQUENCE: 2
81 Met Gln Ala Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala
82 1 5 10 15
83 Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
84 20 25 30
85 Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
86 35 40 45
87 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
88 50 55 60
89 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
90 65 70 75 80
91 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
92 85 90 95
93 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
94 100 105 110

```

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```

95      Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
96          115                      120                      125
97      Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
98          130                      135                      140
99      Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Lys Glu Gly
100         145                      150                      155                      160
101         Lys Lys Gln Glu Lys Met Leu Asp
102                      165

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104 <210> SEQ ID NO: 3

105 <211> LENGTH: 200

106 <212> TYPE: PRT

107 <213> ORGANISM: Artificial Sequence

108 <220> FEATURE:

109 <223> OTHER INFORMATION: Homo sapiens

110 <400> SEQUENCE: 3

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111      Met Ala Phe Thr Glu His Ser Pro Leu Thr Pro His Arg Arg Asp Leu
112          1          5          10          15
113      Cys Ser Arg Ser Ile Trp Leu Ala Arg Lys Ile Arg Ser Asp Leu Thr
114          20          25          30
115      Ala Leu Thr Glu Ser Tyr Val Lys His Gln Gly Leu Asn Lys Asn Ile
116          35          40          45
117      Asn Leu Asp Ser Ala Asp Gly Met Pro Val Ala Ser Thr Asp Gln Trp
118          50          55          60
119      Ser Glu Leu Thr Glu Ala Glu Arg Leu Gln Glu Asn Leu Gln Ala Tyr
120          65          70          75          80
121      Arg Thr Phe His Val Leu Leu Ala Arg Leu Leu Glu Asp Gln Gln Val
122          85          90          95
123      His Phe Thr Pro Thr Glu Gly Asp Phe His Gln Ala Ile His Thr Leu
124          100         105         110
125      Leu Leu Gln Val Ala Ala Phe Ala Tyr Gln Ile Glu Glu Leu Met Ile
126          115         120         125
127      Leu Leu Glu Tyr Lys Ile Pro Arg Asn Glu Ala Asp Gly Met Pro Ile
128          130         135         140
129      Asn Val Gly Asp Gly Gly Leu Phe Glu Lys Lys Leu Trp Gly Leu Lys
130          145         150         155         160
131      Val Leu Gln Glu Leu Ser Gln Trp Thr Val Arg Ser Ile His Asp Leu
132          165         170         175
133      Arg Phe Ile Ser Ser His Gln Thr Gly Ile Pro Ala Arg Gly Ser His
134          180         185         190
135      Tyr Ile Ala Asn Asn Lys Lys Met
136          195         200

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138 <210> SEQ ID NO: 4

139 <211> LENGTH: 247

140 <212> TYPE: PRT

141 <213> ORGANISM: Artificial Sequence

142 <220> FEATURE:

143 <223> OTHER INFORMATION: Homo sapien

144 <400> SEQUENCE: 4

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145      Met Thr Ile Leu Phe Leu Thr Met Val Ile Ser Tyr Phe Gly Cys Met

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146	1	5	10	15
147	Lys Ala Ala Pro Met Lys Glu Ala Asn Ile Arg Gly Gln Gly Gly Leu			
148		20	25	30
149	Ala Tyr Pro Gly Val Arg Thr His Gly Thr Leu Glu Ser Val Asn Gly			
150		35	40	45
151	Pro Lys Ala Gly Ser Arg Gly Leu Thr Ser Leu Ala Asp Thr Phe Glu			
152		50	55	60
153	His Met Ile Glu Glu Leu Leu Asp Glu Asp Gln Lys Val Arg Pro Asn			
154	65		70	75
155	Glu Glu Asn Asn Lys Asp Ala Asp Leu Tyr Thr Ser Arg Val Met Leu			
156		85	90	95
157	Ser Ser Gln Val Pro Leu Glu Pro Pro Leu Leu Phe Leu Leu Glu Glu			
158		100	105	110
159	Tyr Lys Asn Tyr Leu Asp Ala Ala Asn Met Ser Met Arg Val Arg Arg			
160		115	120	125
161	His Ser Asp Pro Ala Arg Arg Gly Glu Leu Ser Val Cys Asp Ser Ile			
162		130	135	140
163	Ser Glu Trp Val Thr Ala Ala Asp Lys Lys Thr Ala Val Asp Met Ser			
164	145		150	155
165	Gly Gly Thr Val Thr Val Leu Glu Lys Val Pro Val Ser Lys Gly Gln			
166		165	170	175
167	Leu Lys Gln Tyr Phe Tyr Glu Thr Lys Cys Asn Pro Met Gly Tyr Thr			
168		180	185	190
169	Lys Glu Gly Cys Arg Gly Ile Asp Lys Arg His Trp Asn Ser Gln Cys			
170		195	200	205
171	Arg Thr Thr Gln Ser Tyr Val Arg Ala Leu Thr Met Asp Ser Lys Lys			
172		210	215	220
173	Arg Ile Gly Trp Arg Phe Ile Arg Ile Asp Thr Ser Cys Val Cys Thr			
174	225		230	235
175	Leu Thr Ile Lys Arg Gly Arg			240
176		245		

VERIFICATION SUMMARY

DATE: 10/30/2002

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TIME: 11:55:47

Input Set : N:\paola\US10020541.raw

Output Set: N:\CRF4\10302002\J020541.raw